| L      | Hits | Search Text                                   | DB        | Time stamp |
|--------|------|---|-----------|------------|
| Number |      |   |           | •          |
| 1      | 211  | (332/115,150,155; 329/363;                    | USPAT;    | 2003/04/01 |
| }      |      | 375/260,264,268,317,320,359).ccls. and        | US-PGPUB; | 10:08      |
|        |      | amplitude\$1 and (pulse with modulat\$3)      | EPO; JPO  |            |
| 2      | 91   | ((332/115,150,155; 329/363;                   | USPAT;    | 2003/04/01 |
|        |      | 375/260,264,268,317,320,359).ccls. and        | US-PGPUB; | 10:13      |
|        |      | amplitude\$1 and (pulse with modulat\$3))     | EPO; JPO  |            |
|        |      | and ((adjust\$3 or detect\$3 or determin\$ or | ,         |            |
|        |      | compar\$3 or measur\$3 or calculat\$3) near4  |           |            |
|        |      | (amplitude\$1 or magnitude))                  | i         | İ          |
| 3      | 34   | (((332/115,150,155; 329/363;                  | USPAT;    | 2003/04/01 |
|        |      | 375/260,264,268,317,320,359).ccls. and        | US-PGPUB; | 12:31      |
| ·      |      | amplitude\$1 and (pulse with modulat\$3))     | EPO; JPO  | 12.31      |
|        |      | and ((adjust\$3 or detect\$3 or determin\$ or | EFO, JFO  |            |
|        |      |   |           |            |
|        |      | compar\$3 or measur\$3 or calculat\$3) near4  |           |            |
|        |      | (amplitude\$1 or magnitude))) and ((time adj  | 1         |            |
|        |      | division) or multiplex\$3)                    | 1         | 1          |
| 4      | 1    | 3718767.pn.                                   | USPAT;    | 2003/04/01 |
|        | •    |   | US-PGPUB; | 15:24      |
| _      | _    |   | EPO; JPO  |            |
| 5      | 1    | 6229633.pn.                                   | USPAT;    | 2003/04/01 |
|        |      |   | US-PGPUB; | 15:24      |
|        | (1)  |   | EPO; JPO  |            |
| 6      | 1    | 6067180.pn.                                   | USPAT;    | 2003/04/01 |
|        |      |   | US-PGPUB; | 15:24      |
| i      |      |   | EPO; JPO  | 1          |
| 7      | 1.1  | 5805321.pn.                                   | USPAT;    | 2003/04/01 |
|        |      |   | US-PGPUB; | 15:25      |
|        |      |   | EPO; JPO  |            |
|        | 405  | (359/135,140;                                 | USPAT;    | 2003/04/01 |
|        | Δ    | 370/498,499,533,535,536).ccls. and pulse      | US-PGPUB: | 09:50      |
|        |      | and (ampli\$7)                                | EPO; JPO  | 00.00      |
|        | 292  | ((359/135,140;                                | USPAT;    | 2003/03/31 |
|        |      | 370/498,499,533,535,536).ccls. and pulse      | US-PGPUB; | 10:44      |
|        |      | and (ampli\$7)) and modulat\$3                | EPO; JPO  | 10:44      |
| _      | 43   | (((359/135,140;                               | 1         | 0000100104 |
|        | 73   | •   | USPAT;    | 2003/03/31 |
|        |      | 370/498,499,533,535,536).ccls. and pulse      | US-PGPUB; | 14:26      |
|        |      | and (ampli\$7)) and modulat\$3) and           | EPO; JPO  |            |
|        |      | ((amplitude or magnitude) with (adjust\$3 or  |           |            |
|        |      | increas\$3 or decreas\$3 or magnif\$7))       | 1         |            |
| •      | 16   | (359/135).ccls. and (370/533,535).ccls. not   | USPAT;    | 2003/03/31 |
| 1      | •    | ((((359/135,140;                              | US-PGPUB; | 14:36      |
|        | ;    | 370/498,499,533,535,536).ccls. and pulse      | EPO; JPO  |            |
|        |      | and (ampli\$7)) and modulat\$3) and           |           |            |
|        |      | ((amplitude or magnitude) with (adjust\$3 or  |           |            |
|        |      | increas\$3 or decreas\$3 or magnif\$7)))      |           |            |

|     | 13  | (359/115,135,140).ccls. and                    | USPAT;    | 2003/03/31 |
|-----|-----|--|-----------|------------|
|     |     | (370/498,499,533,535,536).ccls. not            | US-PGPUB; | 14:57      |
|     |     | (((((359/135,140;                              | EPO; JPO  |            |
|     |     | 370/498,499,533,535,536).ccls. and pulse       | LFO, JFO  |            |
|     |     | and (ampli\$7)) and modulat\$3) and            | l .       | 1          |
|     |     |  | t         | !          |
|     |     | ((amplitude or magnitude) with (adjust\$3 or   | İ         | <br>       |
|     |     | increas\$3 or decreas\$3 or magnif\$7))) or    |           |            |
| 179 |     | ((359/135).ccls. and (370/533,535).ccls. not   |           |            |
|     |     | ((((359/135,140;                               | ;         | İ          |
|     |     | 370/498,499,533,535,536).ccls. and pulse       |           |            |
|     |     | and (ampli\$7)) and modulat\$3) and            |           |            |
|     |     | ((amplitude or magnitude) with (adjust\$3 or   | i         | !          |
|     |     | increas\$3 or decreas\$3 or magnif\$7)))))     |           |            |
| -   | 124 | (359/140).ccls. and ampli\$8 not (((((370/536  | USPAT;    | 2003/03/31 |
|     |     | 370/535   370/533   370/499   370/498          | US-PGPUB; | 15:04      |
|     | - ) | 359/140   359/135).ccls. and pulse and         | EPO; JPO  |            |
|     |     | (ampli\$7)) and modulat\$3) and ((amplitude    | •         | ı          |
|     |     | or magnitude) with (adjust\$3 or increas\$3 or |           |            |
|     |     | decreas\$3 or magnif\$7))) or ((359/135).ccls. |           |            |
|     |     | and (370/535   370/533).ccls. not ((((370/536  | 1         | t          |
|     |     | 370/535   370/533   370/499   370/498          |           |            |
|     |     | 359/140   359/135).ccls. and pulse and         | •         |            |
|     |     |  |           |            |
|     |     | (ampli\$7)) and modulat\$3) and ((amplitude    |           |            |
|     |     | or magnitude) with (adjust\$3 or increas\$3 or |           |            |
|     | !   | decreas\$3 or magnif\$7)))) or                 |           |            |
|     |     | US-3363103-A.DID.)                             | l         |            |
| -   | 74  | ((359/140).ccls. and ampli\$8 not (((((370/536 | USPAT;    | 2003/03/31 |
|     |     | 370/535   370/533   370/499   370/498          | US-PGPUB; | 15:16      |
|     |     | 359/140   359/135).ccls. and pulse and         | EPO; JPO  |            |
|     |     | (ampli\$7)) and modulat\$3) and ((amplitude    |           |            |
|     |     | or magnitude) with (adjust\$3 or increas\$3 or |           |            |
|     |     | decreas\$3 or magnif\$7))) or ((359/135).ccls. |           |            |
|     |     | and (370/535   370/533).ccls. not ((((370/536  | •         |            |
|     | !   | 370/535   370/533   370/499   370/498          | •         |            |
| 1   |     | 359/140   359/135).ccls. and pulse and         | •         |            |
|     | i   | (ampli\$7)) and modulat\$3) and ((amplitude    |           |            |
|     |     | or magnitude) with (adjust\$3 or increas\$3 or |           |            |
|     |     | decreas\$3 or magnif\$7)))) or                 |           |            |
|     |     |  |           |            |
|     | ı   | US-3363103-A.DID.)) and (amplitude\$1 or       | · .       |            |

((359/140).ccls. and ampli\$8 not (((((370/536 USPAT; 2003/03/31 | 370/535 | 370/533 | 370/499 | 370/498 | **US-PGPUB**; 15:16 359/140 | 359/135).ccis. and pulse and EPO; JPO (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or US-3363103-A.DID.)) and (amplitude\$1 or magnitude\$1)(((359/140).ccls. and ampli\$8 not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccis. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or US-3363103-A.DID.)) and (amplitude\$1 or magnitude\$1)) not ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or

increas\$3 or decreas\$3 or magnif\$7)))))

| - 73 | (((359/140).ccls. and ampli\$8 not (((((370/536 | USPAT;    | 2003/03/31 |
|------|---|-----------|------------|
| Ì    | 370/535   370/533   370/499   370/498           | US-PGPUB; | 17:07      |
|      | 359/140   359/135).ccls. and pulse and          | EPO; JPO  | •          |
|      | (ampli\$7)) and modulat\$3) and ((amplitude     | i         | 1          |
|      | or magnitude) with (adjust\$3 or increas\$3 or  |           |            |
|      | decreas\$3 or magnif\$7))) or ((359/135).ccls.  |           |            |
|      | and (370/535   370/533).ccls. not ((((370/536   | i<br>İ    | I          |
|      | 370/535   370/533   370/499   370/498           | :         |            |
|      | 359/140   359/135).ccls. and pulse and          |           |            |
|      | (ampli\$7)) and modulat\$3) and ((amplitude     |           | į          |
|      | or magnitude) with (adjust\$3 or increas\$3 or  |           |            |
|      | decreas\$3 or magnif\$7)))) or                  |           | <br>       |
| ì    | US-3363103-A.DID.)) and (amplitude\$1 or        |           |            |
|      | magnitude\$1)) not ((359/140   359/135          |           |            |
|      | 359/115).ccls. and (370/536   370/535           |           |            |
|      | 370/533   370/499   370/498).ccls. not          |           |            |
|      | (((((370/536   370/535   370/533   370/499      |           |            |
|      | 370/498   359/140   359/135).ccls. and pulse    | !<br>     | ·<br>      |
|      | and (ampli\$7)) and modulat\$3) and             | j         |            |
|      | ((amplitude or magnitude) with (adjust\$3 or    |           | •          |
|      | increas\$3 or decreas\$3 or magnif\$7))) or     |           |            |
|      | ((359/135).ccls. and (370/535   370/533).ccls.  |           |            |
|      | not ((((370/536   370/535   370/533   370/499   |           | ,          |
|      | 370/498   359/140   359/135).ccis. and pulse    |           | 1          |
|      | and (ampli\$7)) and modulat\$3) and             |           |            |
|      | ((amplitude or magnitude) with (adjust\$3 or    |           |            |
|      | increas\$3 or decreas\$3 or magnif\$7)))))      | 1         | 1          |

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multiplex\$3 and pulse and (amplitude\$1 or magnitude\$1) not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))) or ((((359/140).ccls. and ampli\$8 not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccis. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or US-3363103-A.DID.)) and (amplitude\$1 or magnitude\$1)) not ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or

increas\$3 or decreas\$3 or magnif\$7)))))))

USPAT; US-PGPUB; EPO; JPO 2003/03/31 17:09 76

(multiplex\$3 and pulse and (amplitude\$1 or magnitude\$1) not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 } 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))) or ((((359/140).ccls. and ampli\$8 not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or US-3363103-A.DID.)) and (amplitude\$1 or magnitude\$1)) not ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))))))))

and (pulse adj amplitude adj modulat\$3)

USPAT; 2003/03/31 US-PGPUB; 17:38

EPO; JPO

((multiplex\$3 and pulse and (amplitude\$1 or **USPAT:** 2003/03/31 magnitude\$1) not (((((370/536 | 370/535 | **US-PGPUB**; 17:10 370/533 | 370/499 | 370/498 | 359/140 | EPO; JPO 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))) or ((((359/140).ccls. and ampli\$8 not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or US-3363103-A.DID.)) and (amplitude\$1 or magnitude\$1)) not ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))))) and (pulse adj amplitude adj modulat\$3)) 4/1/03 4992:@pultan adjagein)

Search History

(((multiplex\$3 and pulse and (amplitude\$1 or magnitude\$1) not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))) or ((((359/140).ccls. and ampli\$8 not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or US-3363103-A.DID.)) and (amplitude\$1 or magnitude\$1)) not ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))))) and (pulse adj amplitude adj modulat\$3))

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USPAT; 2003/03/31 US-PGPUB; 17:30 EPO; JPO (((multiplex\$3 and pulse and (amplitude\$1 or magnitude\$1) not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccis. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccis. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccis. and (370/535 | 370/533).ccis. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))) or ((((359/140).ccls. and ampli\$8 not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccis. and (370/535 | 370/533).ccis. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or US-3363103-A.DID.)) and (amplitude\$1 or magnitude\$1)) not ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))))) and (pulse adj amplitude adj modulat\$3))

USPAT; US-PGPUB; EPO; JPO

2003/03/31 17:30

Search History 4/1/03 4314:(214) 434 (434) adjagates) not ((((multiplex\$3 and C:\APPS\EAST\Workspaces) 434) 4341(200

31421393

((multiplex\$3 and pulse and (amplitude\$1 or magnitude\$1) not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))) or ((((359/140).ccls. and ampli\$8 not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or US-3363103-A.DID.)) and (amplitude\$1 or magnitude\$1)) not ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccis. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))))))))

USPAT; 2003/03/31 US-PGPUB; 17:39 EPO; JPO

Search History 4/1/03 4391:230PMar\$4ggith@amplitude) (not C:\APPS\EAST\Workspace((10914341833vasp) pulse and (amplitude\$1 or magnitude\$1) not ((((370/536 | 370/535 |

and (pulse adj amplitude adj modulat\$3))

USPAT; ((multiplex\$3 and pulse and (amplitude\$1 or magnitude\$1) not (((((370/536 | 370/535 | US-PGPUB; 370/533 | 370/499 | 370/498 | 359/140 | EPO; JPO 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))) or ((((359/140).ccls. and ampli\$8 not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))) or US-3363103-A.DID.)) and (amplitude\$1 or magnitude\$1)) not ((359/140 | 359/135 | 359/115).ccls. and (370/536 | 370/535 | 370/533 | 370/499 | 370/498).ccls. not (((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7))) or ((359/135).ccls. and (370/535 | 370/533).ccls. not ((((370/536 | 370/535 | 370/533 | 370/499 | 370/498 | 359/140 | 359/135).ccls. and pulse and (ampli\$7)) and modulat\$3) and ((amplitude or magnitude) with (adjust\$3 or increas\$3 or decreas\$3 or magnif\$7)))))))) and (pulse adj amplitude adj modulat\$3))

and (pulse adj amplitude adj modulat\$3))
Search History 4/1/03 4991:20ppmar\$4.ygithmamplitude) not
C:\APPS\EAST\Workspac((10916941833) and pulse and (amplitude\$1 or magnitude\$1) not (((((370/536 | 370/535 |

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2003/03/31 17:40